Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
NMNM012202

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
BOLACK B LS 1A

2. Name of Operator
BP AMERICA PRODUCTION CO
Contact: MARY CORLEY
E-Mail: corleyml@bp.com

9. API Well No.
30-045-26560-00-S1

3a. Address
P. O. BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)
Ph: 281.366.4491
Fx: 281.366.0700

10. Field and Pool, or Exploratory
BLANCO MESAVERDE
OTERO CHACRA

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 33 T28N R8W NENW 1110FNL 1850FWL
36.62193 N Lat, 107.68828 W Lon

11. County or Parish, and State
SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Subsurface Commingling
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BP America Production Company request permission to recomplete the subject well into the Otero Chacra and commingle production Downhole with the existing Blanco Mesaverde as per the attached procedure.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

The Blanco Mesaverde (72319) & Otero Chacra (82329) Pools are Pre-Approved Pools for Downhole Commingling per NMOCD order R-11363. The working and overriding royalty interest owners in the proposed commingled pools are identical, therefore no further notification of this application is required.

Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Mesaverde. That production shall serve as a base for production subtracted from the total production for the commingled well. The balance of the production will

DHC 1350 AZ

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #25373 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by MATTHEW HALBERT on 12/17/2003 (04MXH0050SE)

Name *(Printed/Typed)* MARY CORLEY — Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) — Date 11/20/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Ann Johnson — Title Petr. Eng — Date 12/31/03

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office NMOCD

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #25373 that would not fit on the form

32. Additional remarks, continued

be attributed to the Chacra. Attached is the future production decline estimates for the Mesaverde.

Commingling Production Downhole in the subject well from the proposed Pools with not reduce the value of the total remaining production.

Bolack B LS 1A
API # 30-045-26560
Recomplete Into the Chacra and Downhole Commingle Production with Mesaverde

Procedure:

1. Check anchors. MIRU workover rig.

2. Check and record tubing, casing, and bradenhead pressures.

3. Blow down well. Kill with 2% KCL water ONLY if necessary.

4. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.

5. RU slickline unit or wireline unit. RIH and set plug (CIBP, tbg collar stop, or plug set in nipple) for isolation.

6. Tally OH with tubing string. Visually inspect tbg while POOH.

   Contingency: If the2-3/8" tubing is in poor condition, replace entire tubing string.

7. RIH w/ bit and scraper for 4-1/2" casing to PBTD at 4666'.

8. Set CIBP at 3900'.

9. Load well with 2% KCl. Pressure test casing to 2500 psi with rig pumps.

10. RIH with 3-1/8" casing guns. Perforate Chacra formation (correlate to GR log).

    Chacra Perforations, 3 **spf** (20 shots/ 60 holes):
    3102' – 3107' (5')
    3133' – 3136' (3')
    3215' – 3221' (6')
    3241' – 3247' (6')

11. RU tree saver and frac equipment.

12. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures ≤ 3500 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.

13. Flowback frac immediately.

14. TIH with tubing and bit. Cleanout fill and drill bridge plug set at 3900'. C/O to PBTD at 4666'. Blow well dry at PBTD.

15. Rabbit tubing and RIH with 2-3/8" production tubing (with a muleshoe and X-nipple with blanking plug). Fill tubing with KCL water while RIH.

16. Land 2-3/8" production tubing at 4500'.

17. Pressure test tubing to 500 psi with rig pumps.

18. Swab down tubing with sandline.

19. RU SL unit. Run gauge ring for 2-3/8" tubing. Pull plug and set tubing stop for plunger. RD slickline unit.

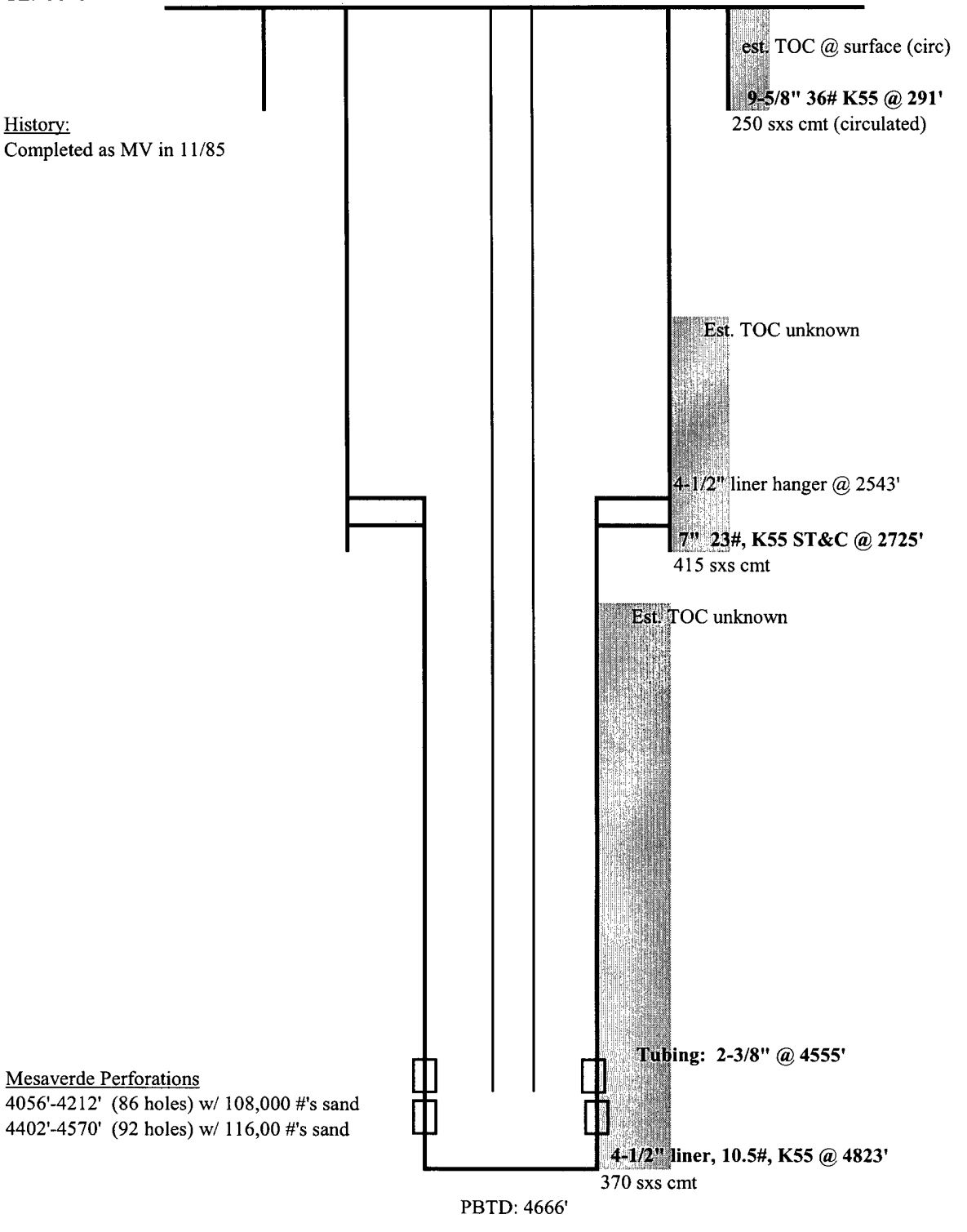
20. ND BOP's. NU WH. Test well for air. Return well to production.

Bolack B LS 1A

Sec 33, T28N, R8W

API # 30-045-26560

GL: 5848'



History:
Completed as MV in 11/85

Mesaverde Perforations
4056'-4212' (86 holes) w/ 108,000 #'s sand
4402'-4570' (92 holes) w/ 116,00 #'s sand

updated: 10/3/03 CFR

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-26560	82329	Otero Chacra

[4] Property Code	[5] Property Name	[6] Well Number
000326	Bolack B LS	1A

[7] OGRID No.	[8] Operator Name	[9] Elevation
000778	BP America Production Company	5848' GR

[10] Surface Location

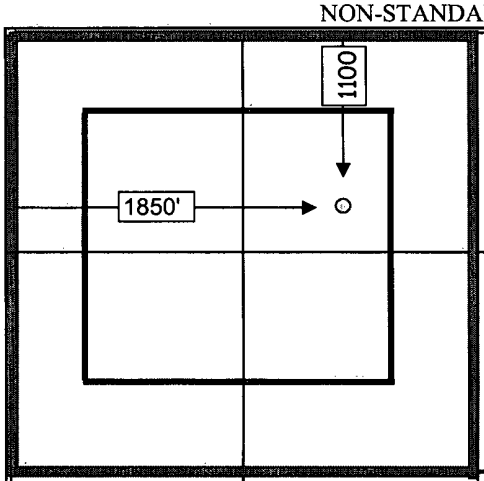
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
Unit N	33	28N	08W		790'	South	2200'	West	San Juan

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Mary Corley

Signature

Mary Corley

Printed Name

Sr. Regulatory Analyst

Title

11/20/2003

Date

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

on file

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

Bolack B LS 1A

Future Production Decline Estimate

Mesaverde Daily Rates

Month	Gas Volume
Jan-2002	**195**
Feb-2002	**189**
Mar-2002	**190**
Apr-2002	**190**
May-2002	**188**
Jun-2002	**162**
Jul-2002	**202**
Aug-2002	**188**
Sep-2002	**186**
Oct-2002	**184**
Nov-2002	**181**
Dec-2002	**170**
Jan-2003	**187**
Feb-2003	**172**
Mar-2003	**177**
Apr-2003	**181**
May-2003	**179**
Jun-2003	**174**
Jul-2003	**175**
Aug-2003	175
Sep-2003	174
Oct-2003	174
Nov-2003	173
Dec-2003	173
Jan-2004	172
Feb-2004	172
Mar-2004	171
Apr-2004	171
May-2004	170
Jun-2004	170
Jul-2004	169
Aug-2004	169
Sep-2004	168
Oct-2004	168
Nov-2004	167
Dec-2004	167

ln(Qf/Qi) = -dt
Qf= 175
Qi= 177
rate= 175
time= 4 5
dt= -0.011363759
decline= -0.497164441
- .0023

Month	Gas Volume
Jan-2005	166
Feb-2005	166
Mar-2005	165
Apr-2005	165
May-2005	164
Jun-2005	164
Jul-2005	163
Aug-2005	163
Sep-2005	162
Oct-2005	162
Nov-2005	161
Dec-2005	161
Jan-2006	160
Feb-2006	160
Mar-2006	159
Apr-2006	159
May-2006	158
Jun-2006	158
Jul-2006	157
Aug-2006	157
Sep-2006	156
Oct-2006	156
Nov-2006	155
Dec-2006	155
Jan-2007	154
Feb-2007	154
Mar-2007	153
May-2007	153
Jun-2007	152
Jul-2007	152
Aug-2007	151
Sep-2007	151
Oct-2007	150
Nov-2007	150
Dec-2007	149
Jan-2008	149

Month	Gas Volume
Feb-2008	148
Mar-2008	148
Apr-2008	147
May-2008	147
Jun-2008	146
Jul-2008	146
Aug-2008	145
Sep-2008	145
Oct-2008	144
Nov-2008	144
Dec-2008	143
Jan-2009	143
Feb-2009	142
Mar-2009	142
Apr-2009	141
May-2009	141
Jun-2009	140
Jul-2009	140
Aug-2009	139
Sep-2009	139
Oct-2009	138
Nov-2009	138
Dec-2009	137
Jan-2010	137
Feb-2010	136
Mar-2010	136
Apr-2010	135
May-2010	135
Jun-2010	134
Jul-2010	134
Aug-2010	133
Sep-2010	133
Oct-2010	132
Nov-2010	132
Dec-2010	131
Jan-2011	131

Bolack B LS 1A

Future Production Decline Estimate

Mesaverde Daily Rates

Month	Gas Volume
Feb-2011	130
Mar-2011	130
Apr-2011	129
May-2011	129
Jun-2011	128
Jul-2011	128
Aug-2011	127
Sep-2011	127
Oct-2011	126
Nov-2011	126
Dec-2011	125
Jan-2012	125
Feb-2012	124
Mar-2012	124
Apr-2012	123
May-2012	123
Jun-2012	122
Jul-2012	122
Aug-2012	121
Sep-2012	121
Oct-2012	120
Nov-2012	120
Dec-2012	119
Jan-2013	119
Feb-2013	118
Mar-2013	118
Apr-2013	117
May-2013	117
Jun-2013	116
Jul-2013	116
Aug-2013	115
Sep-2013	115
Oct-2013	114
Nov-2013	114
Dec-2013	113
Jan-2014	113

Month	Gas Volume
Feb-2014	112
Mar-2014	112
Apr-2014	111
May-2014	111
Jun-2014	110
Jul-2014	110
Aug-2014	109
Sep-2014	109
Oct-2014	108
Nov-2014	108
Dec-2014	107
Jan-2015	107
Feb-2015	106
Mar-2015	106
Apr-2015	105
May-2015	105
Jun-2015	104
Jul-2015	104
Aug-2015	103
Sep-2015	103
Oct-2015	102
Nov-2015	102
Dec-2015	101
Jan-2016	101
Feb-2016	100
Mar-2016	100
Apr-2016	99
May-2016	99
Jun-2016	98
Jul-2016	98
Aug-2016	97
Sep-2016	97
Oct-2016	96
Nov-2016	96
Dec-2016	95
Jan-2017	95

Month	Gas Volume
Feb-2017	94
Mar-2017	94
Apr-2017	93
May-2017	93
Jun-2017	92
Jul-2017	92
Aug-2017	91
Sep-2017	91
Oct-2017	90
Nov-2017	90
Dec-2017	89
Jan-2018	89
Feb-2018	88
Mar-2018	88
Apr-2018	87
May-2018	87
Jun-2018	87
Jul-2018	86
Aug-2018	86
Sep-2018	85
Oct-2018	85
Nov-2018	84
Dec-2018	84
Jan-2019	83
Feb-2019	83
Mar-2019	82
Apr-2019	82
May-2019	81
Jun-2019	81
Jul-2019	80
Aug-2019	80
Sep-2019	79
Oct-2019	79
Nov-2019	78
Dec-2019	78
Jan-2020	77

Month	Gas Volume
Feb-2020	77
Mar-2020	76
Apr-2020	76
May-2020	75
Jun-2020	75
Jul-2020	74
Aug-2020	74
Sep-2020	73
Oct-2020	73
Nov-2020	72
Dec-2020	72
Jan-2021	71
Feb-2021	71
Mar-2021	70
Apr-2021	70
May-2021	69
Jun-2021	69
Jul-2021	68
Aug-2021	68
Sep-2021	67
Oct-2021	67
Nov-2021	66
Dec-2021	66
Jan-2022	65
Feb-2022	65
Mar-2022	64
Apr-2022	64
May-2022	63
Jun-2022	63
Jul-2022	62
Aug-2022	62
Sep-2022	61
Oct-2022	61
Nov-2022	60
Dec-2022	60
Jan-2023	59

Bolack B LS 1A

Future Production Decline Estimate

Mesaverde Daily Rates

Month	Gas Volume
Feb-2023	59
Mar-2023	58
Apr-2023	58
May-2023	57
Jun-2023	57
Jul-2023	56
Aug-2023	56
Sep-2023	55
Oct-2023	55
Nov-2023	54
Dec-2023	54
Jan-2024	53
Feb-2024	53
Mar-2024	52
Apr-2024	52
May-2024	51
Jun-2024	51
Jul-2024	50
Aug-2024	50
Sep-2024	49
Oct-2024	49
Nov-2024	48
Dec-2024	48
Jan-2025	47
Feb-2025	47
Mar-2025	46
Apr-2025	46
May-2025	45
Jun-2025	45
Jul-2025	44
Aug-2025	44
Sep-2025	43
Oct-2025	43
Nov-2025	42
Dec-2025	42
Jan-2026	41

Month	Gas Volume
Feb-2026	41
Mar-2026	40
Apr-2026	40
May-2026	39
Jun-2026	39
Jul-2026	38
Aug-2026	38
Sep-2026	37
Oct-2026	37
Nov-2026	36
Dec-2026	36
Jan-2027	35
Feb-2027	35
Mar-2027	34
Apr-2027	34
May-2027	33
Jun-2027	33
Jul-2027	32
Aug-2027	32
Sep-2027	31
Oct-2027	31
Nov-2027	30
Dec-2027	30
Jan-2028	29
Feb-2028	29
Mar-2028	28
Apr-2028	28
May-2028	27
Jun-2028	27
Jul-2028	26
Aug-2028	26
Sep-2028	25
Oct-2028	25
Nov-2028	24
Dec-2028	24
Jan-2029	23

Month	Gas Volume
Feb-2029	23
Mar-2029	22
Apr-2029	22
May-2029	21
Jun-2029	21
Jul-2029	20
Aug-2029	20
Sep-2029	19
Oct-2029	19
Nov-2029	18
Dec-2029	18
Jan-2030	17
Feb-2030	17
Mar-2030	16
Apr-2030	16
May-2030	15
Jun-2030	15
Jul-2030	14
Aug-2030	14
Sep-2030	13
Oct-2030	13
Nov-2030	12
Dec-2030	12
Jan-2031	11
Feb-2031	11
Mar-2031	10
Apr-2031	10
May-2031	9
Jun-2031	9
Jul-2031	8
Aug-2031	8
Sep-2031	7
Oct-2031	7
Nov-2031	6
Dec-2031	6
Jan-2032	5

Month	Gas Volume
Feb-2032	5
Mar-2032	4
Apr-2032	4
May-2032	3
Jun-2032	3
Jul-2032	2
Aug-2032	2
Sep-2032	1
Oct-2032	1
Nov-2032	0
Dec-2032	0
Jan-2033	0
Feb-2033	0
Mar-2033	0
Apr-2033	0
May-2033	0
Jun-2033	0
Jul-2033	0
Aug-2033	0
Sep-2033	0
Oct-2033	0
Nov-2033	0
Dec-2033	0
Jan-2034	0
Feb-2034	0
Feb-2034	0
Mar-2034	0
Apr-2034	0
May-2034	0
Jul-2034	0
Aug-2034	0
Sep-2034	0
Oct-2034	0
Nov-2034	0
Dec-2034	0
Jan-2035	0